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THE PLOTTER

CLACKAMAS COUNTY AREA T/S
USERS GROUP
NEWS LETTER

VOLUME 6 SPECIAL MINI-FAIR EDITION

AUGUST 1988

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V/CHAIRMAN:	BILL DUNLOP
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TREASURER:	ROD GOWEN
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MEETING

The AUGUST MINI-FAIR will be:

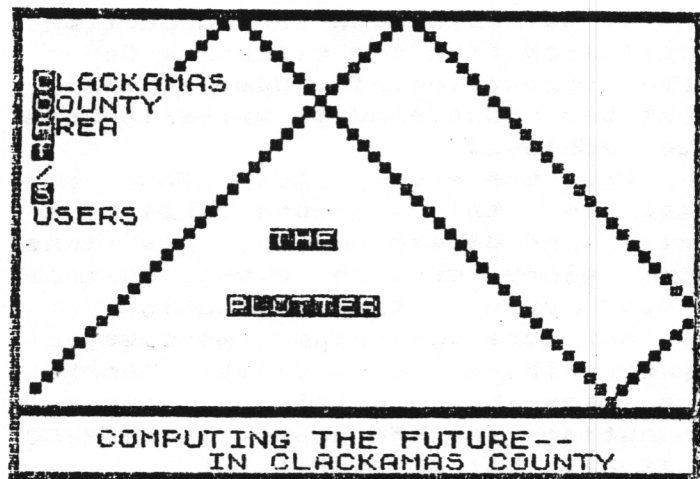
On: SAT. & SUN. AUGUST 6-7

Time: 9 AM to 6PM

At: COSMOPOLITAN HOTEL
1030 N. E. Union Ave.
Portland, Oregon

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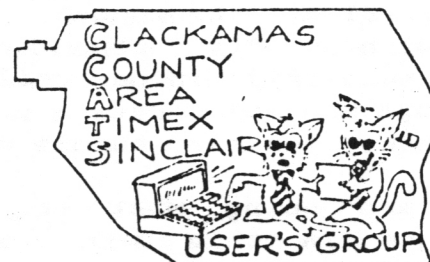
SOAP BOX

We have finally made it, the arrival of the 3rd Annual International/Great NW Timex/Sinclair Mini-Fair!

There are many people to thank for this great achievement. Up front, Rod Gowen must be given a rousing round of applause for the time and effort he has put forth in providing the leg-work and organization needed for such a project. We also can not forget Tim Woods. Tim not only helped tremendously on this event, but started the whole thing rolling with the 1st Annual Northwest TS Computerfest. At the time, this was billed as "A Mini Northwest TS Computerfest?", and was an "Open House" for Time Designs Magazine.

The next step was provided with the help of the Seattle Timex User's Group. They showed us the possibilities (and the need) for the joining of forces among the Northwest User's Groups, including British Columbia. Thus the "2nd Annual Northwest TS Mini-Fair" was born. A unanimous consensus was arrived at this meeting to have such gatherings of dedicated T/S users each year.

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It has been with the support and assistance from the Clackamas County Area Timex/Sinclair User's Group, that the next annual gathering has been achieved.

When one really gets down and examines this "ground swell" of pride and determination, one finds that glory for such events must be spread even further. Looking back to our bare beginnings we must, of course, thank Uncle Clive! For it was with his "gift" of personal computing for the masses (the ZX-80 & ZX-81) that we even exist.

I recently found myself going through boxes of old T/S magazines, newsletters and other miscellanea. We have come a long way! This growth was mainly achieved through the efforts of two, sometimes overlooked, groups. We could not have survived without the aid of the many third party software and hardware developers, dealers and publishers. But without the dedication and devotion of us, the USERS, there would be no today or tomorrow for our Timex/Sinclair computers.

Yes, TOMORROW! There is a future for us Sinclairites. We have had the honor and good fortune to discover the fulfilling and challenging world of Silicon Wonder. We have all taken different approaches and have ended up at various places along our journeys. Even those who have finally abandoned their T/S computers for more expensive machines, cannot but look back with fondness on their earlier T/S days.

For those who have stayed with their trusty old Sinclairs, the future still bodes well. We may have met the stasis of our user base, but we still continue to grow with our machines. It always amazes me to hear users of IBM's, Apples, etc. marvel at the wonders we are doing with our "toy" computers. We should take pride in our ability to hold together and create a positive environment for our humble computers.

We are doing what few other people do in this age. We are blazing a trail and forming our own community, without (and sometimes in

spite of) the machinations of Big Business. While others sit around and wait for the next new product to roll off the assembly lines, we have been exploring and building our own amazing machines. We have done what many other "orphan users" only dream would have happened for their machines.

The best product to come from all of our efforts, is the closeness we share as Sinclair Users. This is most evident within our own User's Groups, but is also felt through all of those who support our cause -- the dealers, magazine publishers, and the software and hardware developers. I am proud and honored to be a part of the Timex/Sinclair community and looked forward to the opportunities offered by the 3rd Annual International/Great NW Timex Sinclair Mini-Fair!

Sinclairly, Michael E. Carver

SECRETARY'S

SECRETS

by Jack Armstrong

CCAT/S' July meeting was brought to order at 7:45 and the Chairman, Mike Carver, called for old business. The response started with Merlin Raymond and volunteering for Fair committee work was discussed. Mike stated that all members should be participating and that persons should contact the Committee heads, Bill Dunlop, Tim Woods, Rod Gowen or Mike Carver; all of whom would be happy to have help. Rod asked for a meeting at the hotel and it was decided to be there at 7 on Monday the 25th for a short meet to familiarize everyone with the layout. It was also noted that we would need volunteers to guide the guests to the Fair display and that a sign in the lobby would help. Bill said his father, a sign painter, could be induced to help. Mike asked how members were coming on their individual projects for the Fair and comments were made by several members about their own work. Dick is working on special programs involving the Oliger I/F and with Beta Basic. Bill Dunlop is bringing his 2068 with the small drives. Jack Armstrong is bringing his 2068 and

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5 1/4 drives and hopes to have a display program ready. Dick Wagner proposed a special Plotter issue and a larger quantity and the members agreed. Rod stated that there should be 54 door prizes and he is donating 10, Tim: 3, Chia Chi Chao: 2. There will be more from dealers, etc. Tim has sent out 2700 flyers. Dick said we should contact past members; that maybe they would bring their gear to sell. There were volunteers to contact some of these past members. Tim reported that FootePrint Software is going to have I/F's available at the Fair. Rod made a motion (which was carried) to pay his daughter \$30 for the excellent work on the club banner. Rod has been receiving calls on his BBS for info on the Fair. Tim also is getting inquiries. Merlin asked if we would have a map at the Fair to show where guests are from. Bill Dunlop will see that one donated by Dick Wagner is posted. Bill Dunlop will have a clown gig during part of the Fair, but he has made arrangements for the tours to "Roll On" without him. Tim said that the hotel will have a notice on their lobby board. He also suggested that we contact the Oregonian and their A & E magazine for some coverage. Mike brought up the subject of BB's and Rod said he has had Fair inquiries. A discussion developed, part of which touched upon SNUG asking for parties interested in joining. Rod said he had the info on his BB. Tim is bringing his Z88 to the fair and noted that the Z88 is PC compatible in exchanging info using PC-Link. He also said that Nigel Searles called him and told him that Cambridge may send a rep to the Fair. Rod reported that Rod Humphreys called asking if we have a logo he could silk-screen on T-Shirts for the Fair. Merlin wants info on a direct connection to a TV so that he could just turn the dial to a dedicated channel. During the discussion that followed it was suggested that it could be done and Channel 33 was mentioned as being convenient. D. Lewis, back from his "vacation", wanted info on a decompiler. He is working on consultation and programming for the state of Delaware. He also entertained the group with tales of his trip. The

meeting was adjourned at 9:30. P.S. to Dick Wagner: The opposite of New is Old; Websters also says: "...persisting from an earlier time..." and "...long familiar..." Nuff said?

MINI-FAIR NEWS

by: ROD GOWEN

Well!! IT'S FINALLY HERE!

The Fair is now history! As you read this, either at the Fair or, if you could not make it, after the Fair, you will realize that, with this issue of THE PLOTTER, we are giving our members and other readers a bonus! It will mean that, in 1988, we put out 12 full issues instead of our regular 11. You will note on the front of this newsletter that it is a "SPECIAL MINI-FAIR" edition, produced just for the Mini-Fair.

We hope that all who attend will have had a great time. We hope that those who did not attend will take advantage of RMGs video and audio tapes of the seminars and will order the special "After the Fair" pak of info as a reminder of the show.

We feel that each time one of these shows is held, history is being made! It amazes the public that a computer that was "thrown out" and "abandoned" by its parent company can still garner such support as we have for our little silver and black boxes. But the support continues and even grows! Check out the Fair issue of TIME DESIGNS MAGAZINE and see all of the support for your computer. Better yet, get a copy of the May/June issue of TDM and take a look at the ACTIVE vendors listed in there!

We hope that you all received your "Personal Invitation" to the Mini-Fair in time. We mailed over 2800 of them out starting in June. Prior to that there were 100 paks of information sent to both user groups and vendors across North America. Despite all of this, we were a bit disappointed in the vendor/user group response. We know that not all vendors or user groups could have made it to the show, even if we would have had room for them, BUT,

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we did feel that a lot of them could have benefited from at least booking 1/2 table as a general show of support and sent 400-500 subscription forms and/or catalogs or flyers to be handed out to the expected 3-500 attendees.

We do, at this time, wish to publicly THANK and CONGRATULATE those vendors and user groups who did make the effort and take the time to support the Fair. They are as follows:

CCAT/S USER GROUP-----HOSTS
OREGON CITY, OREGON
RMG ENTERPRISES--CO SPONSOR &
PRODUCER
OREGON CITY, OREGON
TIME DESIGNS MAGAZINE---
CO-SPONSOR
COLTON, OREGON
VISTA USER GROUP
VASHON ISLAND, WASHINGTON
SEATUG USER GROUP
SEATTLE, WASHINGTON
LAS VEGAS USER GROUP
LAS VEGAS, NEVADA
CATS USER GROUP
WASHINGTON, DC AREA
TRIANGLE USER GROUP
NORTH CAROLINA
VANOUVER SINCLAIR USER GROUP
VANCOUVER, B. C. CANADA
ZEBRA SYSTEMS - VENDOR
WOODHAVEN, NEW YORK
SHARP'S INC - VENDOR
MECHANICSVILLE, VIRGINIA
ED GREY ENTERPRISES - VENDOR
SPEAKER
LOS ANGELES, CALIFORNIA
JACK DOHANY - VENDOR - SPEAKER
REDWOOD CITY, CALIFORNIA
STAN LEMKE - SPEAKER
WICHITA, KANSAS
NORM LEHFELDT - SPEAKER
SAN FRANCISCO, CALIFORNIA
MIKE DE SOSA - SPEAKER
OTTER ROCK, OREGON
MIKE CARVER - SPEAKER
PORTLAND, OREGON
VINCE LYON - SPEAKER
PORTLAND, OREGON
DICK WAGNER - SPEAKER
CANBY, OREGON
WILF RIGTER - SPEAKER
VANCOUVER, B. C. CANADA
HARVEY TAYLOR - SPEAKER
VANCOUVER, B. C. CANADA

All of these fine folks have either attended the show or have at least shown their support for the TS community in general by renting a table or giving a seminar.

OUR HATS ARE OFF TO YOU ALL!

Q L T I P

by Michael E. Carver

When using the PSION suite of programs provided with the QL, strange things happen when you "Quit" these programs. SuperBASIC programs will not accept the INPUT command. The only way around this is to reset the computer. Well, that is not the "only" way. By making some changes to the "boot" program which loads these programs, this and other problems can be avoided.

All four of these programs close windows 1 & 2. As these are the default channels for most aspects of SuperBASIC, they are expected to be the first and second channels opened on the QL by QDOS, all kinds of things happen when they are closed and then re-opened.

I like the ability to exit the PSION programs and continue to use features set up when I turn on my computer. Such as features from the Super Toolkit II along with RAM Disks on my Trump Card. Unfortunately, re-setting the QL wipes out all files on RAM Disk and any other features "booted-up".

The answer is simple, don't close those important default windows! The following listing will provide a sample "boot" for Quill. All lines which close and re-open windows 1 & 2 have been deleted from the boot and two procedures have been included to re-define the size of these two windows. These alterations can be done to the other three PSION programs.

Now whenever I "Quit" a PSION program, I can operate my QL in SuperBASIC or use Toolkit features (especially the line editor, ED).

One more problem may arise when quitting the PSION programs -- where's the memory? Sometimes the PSION programs will grab some memory and keep it "locked" up after

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returning to SuperBASIC. I have been able to reclaim this memory by using the DEL_DEFB command from the Super Toolkit II.

In the below example Quill can be re-entered by entering the keyword <quill>.

```

1 GO TO 30000
10 DEFine PROCedure quill
40 CLEAR
50 WINDOW 512,256,0,0:CSIZE 2,1:C
LS
60 AT 2,11:PRINT "LOADING QL-WP"
70 AT 4,13:PRINT "version ";2.1
80 AT 6,6:PRINT "copyright 1984
PSION LTD"
90 AT 8,12:PRINT "word processor"
100 WINDOW #0,400,20,35,215
110 EXEC_W mdv1_QLWP
120 mon
130 END DEFine quill
30000 PRINT "input correct date and
time by\" ["sdate yyyy,mm,dd,hh,mm
,ss"]'
30010 quill
31900 DEFine PROCedure tv
31902 MODE 8: WINDOW 512,256,0,0
31904 PAPER 0: CLS
31906 WINDOW 512,206,0,0
31908 WINDOW #2,512,206,0,0
31910 WINDOW #0,512,50,0,206
31912 PAPER 2: PAPER #2,1: PAPER
#0,0
31914 INK 7: INK #2,7: INK #0,7
31916 CLS: CLS #0
31918 END DEFine tv
31920 DEFine PROCedure mon
31922 MODE 4: WINDOW 512,256,0,0
31924 PAPER 0: CLS
31926 WINDOW 256,206,256,0
31928 WINDOW #2,256,206,0,0
31930 WINDOW #0,512,50,0,206
31932 PAPER 2: PAPER #2,6: PAPER
#0,0
31934 INK 6: INK #2,2: INK #0,4
31936 BORDER 1,255: BORDER #2,1,25
5
31938 CLS: CLS #2: CLS #0
31940 END DEFine mon

```

HELPFUL HINT

Bob Evans

Most of the 2068 users find sooner or later the painted lettering on the keys starts to fade. If the keys are coated with clear finger nail polish, two coats at least, this problem is solved.

FROM THE EDITOR'S DESK

Producing a special issue of THE PLOTTER for the "Mini-Fair" is a bit of a challenge. This is a "hand-out" issue produced and financed by the Clackamas County T/E User Group. We hope you like it and will order a subscription through RMG Enterprises before you leave the fair.

Since the article by Rod Gower was written, we have an addendum to the list of vendors. UP-DATE magazine has sent us a supply of the May-July issue for distribution, for which we thank Bill Jones. The John Oliver company has also sent us some material for distribution.

I would also like to thank Robert Hartung for providing a special program for our User Group to use as an example of the Beta Basic operating system that permits the 2068 to operate with about 100 new commands and functions. Robert is not a dealer, just an enthusiastic 2068 user who has discovered a way to make his computer work in a way it was never designed for.

CCAT/S User Group member Bill Dunlop has put together a program for family members not so enthralled with the computer explosion. He has provided two excellent tours to show off this part of Oregon/Washington. In fact, all of our active members have entered into this fair project with gusto and a desire to make it a memorable time for all of our visitors.

As a User Group actively producing a monthly newsletter, THE PLOTTER, for over 5 years (haven't missed an issue and it always is mailed prior to meeting date), we take considerable pride in our product. Early issues, available at the CCAT/S booth, show how we have progressed. A short description of how it is produced may be of interest and may "spark" others to produce a newsletter. Our main purpose is two fold, to provide meeting

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information and to provide news for the full range of Timex and Sinclair computers. We encourage member participation by printing computer programs written by members, as well as articles.

Articles and reports are usually printed as received in 32-36 column format. Others are retyped by The Editor. We use a 36 column Pica format without reduction to make it easier to read. Programs usually are 2040 printer produced preferably with BOLD type. The front and back pages are preprinted in a standard format and text is added by "cut and paste". The other pages are assembled in the same manner and page numbers and "continued" notations are added.

Two word processors are used with the 2068 computers, TASWORD 2 and MSCRIPT version 5.3. As various printers are used by members there is some difference in character appearance. The alternative is to produce all material on one printer. As editor, I mostly save my text to disk (Oliger DOS). In this way I save all of the printer commands used and need only call up a text file, delete the text and the printer commands are already set up. PRO FILE version 5 is used to file mailing information and producing mailing labels. A mailing consists of members, subscribers, exchange, and even one to a penitentiary in Nevada.

A normal printing is currently about 55 copies made at a print shop copy machine. Pages are hand sorted, assembled, folded, stapled, addressed, and stamped.

Probably the biggest challenge to an editor is article and program material, and of course, the time to put it all together. We use few reprints from other newsletters but they are a good source for article ideas. We exchange with about 15 other user groups of which most are on a rather uncertain publishing date.

PRACTICE MORSE CODE

10 REM submitted to CAT/S for publication any and all portions may be copied or used freely by the public.

11 REM created for TS 2068 BAS IC

43 CLS : GO TO 200

44 LET D=1: BEEP .3,7: PAUSE D : BEEP .3,7: PAUSE D: BEEP .1,7: PAUSE D: BEEP .1,7: PAUSE D: BE EP .3,7: PAUSE D: BEEP .3,7: RET URN : REM ,

46 BEEP .1,7: PAUSE D: BEEP .3 ,7: PAUSE D: BEEP .1,7: PAUSE D: BEEP .3,7: PAUSE D: BEEP .1,7: PAUSE D: BEEP .3,7: RETURN : REM

48 BEEP .3,7: PAUSE D: BEEP .3 ,7: PAUSE D: BEEP .3,7: PAUSE D: BEEP .3,7: PAUSE D: BEEP .3,7: PAUSE D: RETURN : REM 0

49 BEEP .1,7: PAUSE D: BEEP .3 ,7: PAUSE D: BEEP .3,7: PAUSE D: BEEP .3,7: PAUSE D: BEEP .3,7: PAUSE D: RETURN : REM 1

50 BEEP .1,7: PAUSE D: BEEP .1 ,7: PAUSE D: BEEP .3,7: PAUSE D: BEEP .3,7: PAUSE D: BEEP .3,7: PAUSE D: RETURN : REM 2

51 BEEP .1,7: PAUSE D: BEEP .1 ,7: PAUSE D: BEEP .1,7: PAUSE D: BEEP .3,7: PAUSE D: BEEP .3,7: PAUSE D: RETURN : REM 3

52 BEEP .1,7: PAUSE D: BEEP .1 ,7: PAUSE D: BEEP .1,7: PAUSE D: BEEP .1,7: PAUSE D: BEEP .3,7: PAUSE D: RETURN : REM 4

53 BEEP .1,7: PAUSE D: BEEP .1 ,7: PAUSE D: BEEP .1,7: PAUSE D: BEEP .1,7: PAUSE D: BEEP .1,7: PAUSE D: RETURN : REM 5

54 BEEP .3,7: PAUSE D: BEEP .1 ,7: PAUSE D: BEEP .1,7: PAUSE D: BEEP .1,7: PAUSE D: BEEP .1,7: PAUSE D: RETURN : REM 6

55 BEEP .3,7: PAUSE D: BEEP .3 ,7: PAUSE D: BEEP .1,7: PAUSE D: BEEP .1,7: PAUSE D: BEEP .1,7: PAUSE D: RETURN : REM 7

56 BEEP .3,7: PAUSE D: BEEP .3 ,7: PAUSE D: BEEP .3,7: PAUSE D: BEEP .1,7: PAUSE D: BEEP .1,7: PAUSE D: RETURN : REM 8

57 BEEP .3,7: PAUSE D: BEEP .3 ,7: PAUSE D: BEEP .3,7: PAUSE D: BEEP .3,7: PAUSE D: BEEP .1,7: PAUSE D: RETURN : REM 9

63 BEEP .1,7: PAUSE D: BEEP .1 ,7: PAUSE D: BEEP .3,7: PAUSE D: BEEP .3,7: PAUSE D: BEEP .1,7: PAUSE D: BEEP .1,7: PAUSE D: RETURN : REM 10

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PAUSE D: BEEP .1,7: PAUSE D: RETURN : REM ?

65 BEEP .1,7: PAUSE D: BEEP .3,7: PAUSE D: RETURN : REM A

66 BEEP .3,7: PAUSE D: BEEP .1,7: PAUSE D: BEEP .1,7: PAUSE D: BEEP .1,7: PAUSE D: RETURN : REM B

67 BEEP .3,7: PAUSE D: BEEP .1,7: PAUSE D: BEEP .3,7: PAUSE D: BEEP .1,7: PAUSE D: RETURN : REM C

68 BEEP .3,7: PAUSE D: BEEP .1,7: PAUSE D: BEEP .1,7: PAUSE D: RETURN : REM

69 BEEP .1,7: PAUSE D: RETURN : REM E

70 BEEP .1,7: PAUSE D: BEEP .1,7: PAUSE D: BEEP .3,7: PAUSE D: BEEP .1,7: PAUSE D: RETURN : REM F

71 BEEP .3,7: PAUSE D: BEEP .3,7: PAUSE D: BEEP .1,7: PAUSE D: RETURN : REM G

72 BEEP .1,7: PAUSE D: BEEP .1,7: PAUSE D: BEEP .1,7: PAUSE D: BEEP .1,7: PAUSE D: RETURN : REM H

73 BEEP .1,7: PAUSE D: BEEP .1,7: PAUSE D: RETURN : REM I

74 BEEP .1,7: PAUSE D: BEEP .3,7: PAUSE D: BEEP .3,7: PAUSE D: RETURN : REM J

75 BEEP .3,7: PAUSE D: BEEP .1,7: PAUSE D: BEEP .3,7: PAUSE D: RETURN : REM K

76 BEEP .1,7: PAUSE D: BEEP .3,7: PAUSE D: BEEP .1,7: PAUSE D: BEEP .1,7: PAUSE D: RETURN : REM L

77 BEEP .3,7: PAUSE D: BEEP .3,7: PAUSE D: RETURN : REM M

78 BEEP .3,7: PAUSE D: BEEP .1,7: PAUSE D: RETURN : REM N

79 BEEP .3,7: PAUSE D: BEEP .3,7: PAUSE D: BEEP .3,7: PAUSE D: RETURN : REM O

80 BEEP .1,7: PAUSE D: BEEP .3,7: PAUSE D: BEEP .3,7: PAUSE D: BEEP .1,7: PAUSE D: RETURN : REM P

81 BEEP .3,7: PAUSE D: BEEP .3,7: PAUSE D: BEEP .1,7: PAUSE D: BEEP .3,7: PAUSE D: RETURN : REM Q

82 BEEP .1,7: PAUSE D: BEEP .3,7: PAUSE D: BEEP .1,7: PAUSE D: RETURN : REM R

83 BEEP .1,7: PAUSE D: BEEP .1,7: PAUSE D: BEEP .1,7: PAUSE D:

RETURN : REM S

84 BEEP .3,7: PAUSE D: RETURN : REM T

85 BEEP .1,7: PAUSE D: BEEP .1,7: PAUSE D: BEEP .3,7: PAUSE D: RETURN : REM U

86 BEEP .1,7: PAUSE D: BEEP .1,7: PAUSE D: BEEP .1,7: PAUSE D: BEEP .3,7: PAUSE D: RETURN : REM V

87 BEEP .1,7: PAUSE D: BEEP .3,7: PAUSE D: BEEP .3,7: PAUSE D: RETURN : REM W

88 BEEP .3,7: PAUSE D: BEEP .1,7: PAUSE D: BEEP .1,7: PAUSE D: BEEP .3,7: PAUSE D: RETURN : REM X

89 BEEP .3,7: PAUSE D: BEEP .1,7: PAUSE D: BEEP .3,7: PAUSE D: BEEP .3,7: PAUSE D: RETURN : REM Y

90 BEEP .3,7: PAUSE D: BEEP .3,7: PAUSE D: BEEP .1,7: PAUSE D: BEEP .1,7: PAUSE D: RETURN : REM Z

100 STOP

140 LIST 1000

145 PRINT : PRINT : PRINT "Press any key to continue": PAUSE 0: CLS : GO TO 150

150 LET D=1

160 ON ERR GO TO 8000

200 LET A\$=INKEY\$: IF A\$="" THEN GO TO 200

205 IF CODE A\$>90 THEN LET B=CODE A\$: LET B=B-32: LET A\$=CHR\$ B

206 IF CODE A\$=32 THEN PRINT " "; GO TO 150

209 PRINT A\$

210 GO SUB CODE A\$

211 GO TO 200

300 STOP

1000 REM documentation

1010 REM created 2-10-88 by L. Stransky, AXS Systems, Beaverton, OR. Ph. 503-626,7678 for any questions. No collect calls accepted.

1020 REM this program will produce the Morse alphabet and print the letter or character to the screen

1030 REM the program starts at line 140. It is error trapped. The only error that might occur is "OUT OF MEMORY"

1040 REM if this happens the program will recover, by going to line 8000 then restarting at line 150

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1050 REM the program will produce the fastest Morse possible because of the time constraints imposed by use of the BEEP command.
1060 REM the character is captured in line 200 with INKEY and placed into the A\$ variable
1070 REM at line 205 error trapping is initiated
1080 REM at line 205, A\$ is checked to see if a capital letter was entered. Morse as you probably know doesn't need capitals.
1090 REM if capital was entered its code will be changed to the range of a lower case letter.
1100 REM a check is made for the space bar. Altho space is not a valid Morse code you may want to use it for separation of words. Beware using INKEY, it will put spaces between words as it is hard to get off the space key fast enough to produce only one space. I did not feel it worth the time to get rid of this problem.
1110 REM you would not normally hit the space key when practicing Morse code.
1120 REM line 209 prints the key entered on the screen
1130 REM line 210 will GOSUB to the code of the letter entered. If you enter an 'a' you will GOSUB line 65 then line 65 will beep the proper sequence for the 'a' and return to line 200 to await another keyboard entry.
1140 REM if you want to CLS enter the '+' sign or ENTER
1145 REM note--REM is included in each code line to document which Morse letter or punctuation the line represents.
1146 REM THE EDITOR MARKED THE DOTS AND DASHES REPRESENTED BY BEEP NUMBERS .1 AND .3 AT EACH LINE. THEN THE BEEPS AND PAUSES WERE ENTERED ACCORDINGLY IN PLACE OF FOLLOWING THE TEXT.
1147 REM TO CHECK EACH CODE LINE FOR ACCURACY, FIRST ENTER LINES 100,145,150,160,200,205,206,209,210,211,300,8000 BEFORE KEYING IN THE REMAINDER OF PROGRAM. GOT TO 150 WILL GET IT STARTED, KEY THE CHARACTER JUST PROGRAMMED FOR
1150 REM you may delete this doc

umentation if you want--just break out of the program and GOTO 1300.

1200 REM this program is intended for single key code reproduction and code practice, at this time.

1210 GO TO 145

1300 DELETE 1000,1300

8000 ON ERR RESET : GO TO 150

8500 REM use your SAVE method for this program.

9999 SAVE "MorseCode"

INTERNATIONAL CHARACTER SET Dick F. Wagner

There are "special characters" used by some printers to produce so-called European/Japanese characters. The characters provided are probably more likely to be used in corresponding to these countries. There are about 10 countries listed for Epson and Epson compatible printers.

The 10 sets of 12 characters are assigned to 12 specific computer keys corresponding to the USA character set, and in the character code range of 32-127. The USA set corresponds to our 2068 computer keyboard except code 96 which Sinclair has assigned to the English pound symbol. If we press the "X"/SS keys the printer will print an accent mark in place of the pound symbol.

To print the English pound symbol the printer is either set by DIP switches or by software as ESC "R"n where "n" is number 3 out of numbers 0-10. So we just set the printer with the code 27,82,3 for the United Kingdom set of characters and in our letter ordering software from England we use the "#"key to produce "£".

As a word processor would be used for letter writing, the easiest way to set the printer with those programs that have a limited printer code range is to set the printer in the immediate mode with LPRINTs, or with a one line program to RUN. The immediate mode permits breaking out

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of the WP program into BASIC, enter the desired code, and then go back to BASIC. Once this has been done with 27,82,3 you get the pound symbol as needed. If you also require the number symbol try using NO. The advantage of MSCRIPT 5.3 is that I just use the copyright symbol and the letter selected to denote English to use the English set, and switch to that selected for USA to use the number symbol.

INTERNATIONAL CHARACTER SET	CODE 27,82,n where n is column 0-10									
	0	1	2	3	4	5	6	7	8	9
USA	#	1	2	3	4	5	6	7	8	9
FRANCE	1	2	3	4	5	6	7	8	9	10
GERMANY	2	3	4	5	6	7	8	9	10	11
U.K.	3	4	5	6	7	8	9	10	11	12
DENMARK(1)	4	5	6	7	8	9	10	11	12	13
SWEDEN	5	6	7	8	9	10	11	12	13	14
ITALY	6	7	8	9	10	11	12	13	14	15
SPAIN	7	8	9	10	11	12	13	14	15	16
JAPAN	8	9	10	11	12	13	14	15	16	17
NORWAY	9	10	11	12	13	14	15	16	17	18
DENMARK(2)	10	11	12	13	14	15	16	17	18	19

FROM: RANDY KUHN
TO: ALL USERS
RE: POKES FOR TASMAN INTERFACE

SOME POKES I HAVE FOUND TO USE
TASMAN PRINTER INTERFACE WITH MTERM
AND HOT Z ARE AS FOLLOWS:

MTERM: POKE 54445,0 AND 54446,91
HOT Z HIGH: POKE 51803-51806,0
51807,205 51808,0 51809,91
51810,201
HOT Z LOW: POKE 30303,0 30304,205
30305,0 30306,91 30307,201

FOR MTERM THE ONLY TIME IT WILL COPY
IS WHEN YOU HIT CAPS SHIFT 8 AND HIT
P FOR PRINT. I HAVEN'T FOUND THE ONE
FOR THE BUFFER YET. FOR HOT Z IT IS
WHEN YOU USE THE COPY COMMAND.

Recent releases from Jack Dohany's
FAIRWARE suggests that Jack is
seriously providing for the 2068
software market.

MSCRIPT version 5.3 has a major
breakthru for providing a vastly
improved imbedded printer code
system. He provides for 52 possible
codes with one letter upper and
lower case identifications. As
usual, each letter is prefixed with
the copyright symbol but one letter
stands for the whole printer code.
The user can take the assignments
that come with the program or com-
pletely re-do them as desired. A
simple program is provided for this
purpose.

Other improvements include all of
the popular disk operating systems
as well as the cassette and micro
drive systems. The program can also
be matched to a particular printer.
For disk systems a nice improvement
is the ability to access the disk
catalog or directory from program
and load a desired file while the
catalog is displayed. Other features
have been added to enhance it's
utility.

MS MAIL is a special adaptation of
MSCRIPT that can generate a file
that fits the need for a small data
base mailing system. The files are
formatted for printing mailing
labels. It also includes a nice sort
routine that physically organizes
the files by last name and by zip
code. Those problem Jr.s, MDs, etc
are taken care.

VU-CALC has been customized for the
large printer and it performs very
well. Using a regular printer it is
possible to obtain a 19 column by 50
line print-out. Column numbers are
printed top and bottom for better
reference. The user can select the
columns to print as well as the
lines. Another feature is provision
for a title and other notations at
the top of the page. This title
information does not save to disk.

FLOWER BASKET

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Flower Basket design was found in the Mar.-April 88 issue of SyncWare News as a UDG graphic developed by Dortha Bundy. UDGs are defined horizontally, top down and binary 1 the top right corner. In printer graphics (Epson work alike) the print pin positions are defined as vertical columns, bottom is binary 1. This excludes taking the UDG data and rotating it to get the new data. The 136 data statements were developed by making a graph paper layout from the UDG data and then reading the column/rows data in binary for the new printer data. The above picture is 34 print pixels wide and 31 pixels high. The picture can be printed shorter or higher by increments of 1/72 or 1/216 inch on the Panasonic printer. The printer uses a standard 60 dots per line inch but this width can be reduced (for 60 dots) to 83%, 75%, 50%, and 25%.

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-----10-----

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